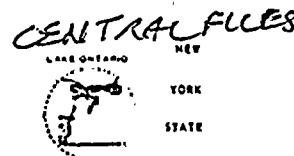




ROCHESTER GAS AND ELECTRIC CORPORATION • 89 EAST AVENUE, ROCHESTER, N.Y. 14649

LEON D. WHITE, JR.  
VICE PRESIDENT

TELEPHONE  
AREA CODE 716 546-2700



July 7, 1980

Mr. Boyce H. Grier, Director  
U.S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Region I  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

Subject: IE Bulletin No. 80-11 "Masonry Wall Design"  
R.E. Ginna Nuclear Power Plant  
Docket No. 50-244

Dear Mr. Grier:

In response to Inspection and Enforcement Bulletin 80-11, "Masonry Wall Design" dated May 8, 1980 please find enclosed our identification survey results and our program for re-evaluation of masonry walls at Ginna Station. This material provides the requested response to Items 1, 2a and 3 of the subject bulletin.

Very truly yours,

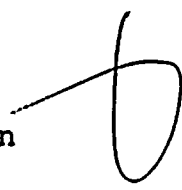
L. D. White, Jr.

Subscribed and sworn to me  
on this 7<sup>th</sup> day of July, 1980

STEPHEN KOWBA  
NOTARY PUBLIC, State of N.Y., Monroe County  
My Commission Expires March 30, 1982

Enclosure

xc: U.S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Division of Reactor Operations Inspection  
Washington, DC 20555



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Response to IE Bulletin 80-11  
Masonry Wall Design

All masonry walls have been surveyed at Ginna Station with the exception of the service building. The service building, which contains administrative offices and shops, is not safety related and contains no safety related systems or components.

The locations of all masonry walls are shown on attached RG&E drawings 33013-971, 972 & 973 (all Revisions 0) and the description of the walls is provided in Table I. In addition to the description, Table I lists safety related and non-safety related attachments, safety related systems and equipment within a potential fall area, and the wall usage. For purposes of this survey the fall area of all walls has been assumed to be equal to the wall height.

All masonry block walls will be re-evaluated to determine their adequacy to perform their intended design function. The walls will be re-evaluated for the loads, loading combinations, applicable codes and standards and other criteria as identified in the Final Safety Analysis Report. The priority list for re-evaluation of masonry block walls is contained in Table II.



Table II

Priority List For Block Wall Re-Evaluation

1. Control Building Walls - In addition to the personnel in the control room, almost all safety related controls, power supplies, and wiring is located in or passes through this building.
2. Auxiliary Building Basement Floor - The refueling water storage tank (RWST), ECCS pumps (low-head safety injection, high head safety injection, containment spray), charging pumps, and related piping and instrumentation, are located at this level.
3. Aux. Bldg. Intermediate Floor - The RWST and the safety-related Bus 16 are located on this floor.
4. Aux. Bldg. Operating Floor - Safety-related Bus (14), the spent fuel pool, and cooling water piping are the major safety related items at this level.
5. Containment Block Walls - The "A" feedwater and its standby auxiliary feedwater piping systems in containment, related secondary system instrumentation, as well as cable trays are located in this area.
6. Intermediate Building Operating Floor And Above - Main steam and feedwater piping and safety and relief valves discharge piping are located at this elevation. (The standby auxiliary feedwater system, which could be used to mitigate the potential failure of a main steam line, is located in another building.)
7. Intermediate Bldg. Intermediate Floor - Main steam and feedwater piping, valving, auxiliary feedwater piping, cable trays, and containment penetrations are all located at this level. (As noted in paragraph 6, the standby auxiliary feedwater system is located in another building.)
8. Intermediate Bldg. Basement Floor - The auxiliary feedwater systems (motor and turbine driven), which have a redundant counterpart in the standby auxiliary feedwater building (Aux Bldg. Annex), as well as a small section of service water piping, are located at this level.



TABLE I

R.E. GINNA NUCLEAR POWER PLANT  
MASONRY BLOCK WALL SURVEY FOR IE 80-11

REFERENCE DWG. 33013-971, Rev. 0  
(pages 1-8)

REFERENCE DWG. 33013-972, Rev. 0  
(pages 9-13)

REFERENCE DWG. 33013-973, Rev. 0  
(pages 14-20)

July 7, 1980





| WALL NO. | FLOOR AND BLDG.    | WALL LOCATION                        | DIRECTION | LENGTH | HEIGHT   | A/E REFERENCE DRAWING  | WIDTH OF WALL AND MATERIAL        | WALL USAGE     | ATTACHMENTS        |   | SAFETY RELATED EQUIP. AND SYSTEMS IN FALL AREA  | COMMENT |
|----------|--------------------|--------------------------------------|-----------|--------|--|------------------------|-----------------------------------|----------------|--------------------|---|---|---------|
|          |                    |                                      |           |        |  |                        |                                   |                | NON-SAFETY RELATED | SAFETY RELATED  |   |         |
| 1<br>C   | Control<br>253'-8" | wall 13'-3"<br>east of col.<br>12    | N-S       | 38'-2" | 16'-10"<br>253'-8"<br>to 270'-6"                         | D-105-011<br>D-105-012 | 7 5/8"<br>conc. bl.<br>reinforced | fire<br>separ. | none               | .battery rack<br>.disconnect<br>switches<br>.misc conduit<br>& through<br>wall<br>attachments<br>.cable tray<br>passing<br>through wall<br>.control bldg<br>HVAC duct<br>thru wall  | Battery rooms 1A&1B<br>1A&1B battery<br>chargers<br>Battery disconnect<br>switches<br>1A&1B main fuse<br>cabinets<br>1A&1B main dc dis-<br>tribution cabinet<br>1A&1B inverter<br>Cable trays<br>1A&1B batteries &<br>racks   |         |
| 2<br>C   | Control<br>253'-8" | wall 1'-2"<br>east of col.<br>12     | N-S       | 38'-2" | 16'-10"<br>253'-8"<br>to 270'-6"                         | D-105-011<br>D-105-012 | 7 5/8"<br>conc. bl.<br>reinforced | fire<br>separ. | none               | .1A inverter<br>.1A battery<br>charger<br>.1A main dc<br>cabinet<br>.1A main fuse<br>cabinet<br>.misc con-<br>duits<br>attached &<br>thru wall<br>.control bldg<br>HVAC duct<br>thru wall<br>.cable tray<br>thru wall &<br>tray sup-<br>ports | Battery room 1A &<br>Air handling room<br>1A battery charger<br>1A main dc distri-<br>bution cabinet<br>1A inverter<br>1A battery & rack<br>Battery disconnect<br>switches<br>Cable trays<br>Return air fan for<br>control room<br>Post accident fil-<br>tering fan for con-<br>trol room<br>Outside air damper<br>A, return damper<br>B, relief damper C |         |
| 3<br>C   | Control<br>253'-8" | wall 1'-5 1/2"<br>east of col.<br>13 | N-S       | 38'-2" | 4'-2"<br>266'-4"<br>to 270'-6"<br>conc. below<br>266'-4" | D-105-012              | 12"<br>conc. bl.<br>reinforced    | exter.<br>wall | none               | .misc conduit<br>supports   | Battery room 1B<br>1B battery charger<br>1B inverter<br>1B main dc distri-<br>bution cabinet<br>1B battery & rack,<br>Battery disconnect  |         |



| WALL NO. | FLOOR AND BLDG. | WALL LOCATION                        | DIRECTION | LENGTH      | HEIGHT                          | A/E REFERENCE DRAWING  | WIDTH OF WALL AND MATERIAL  | WALL USAGE  | ATTACHMENTS<br>NON-SAFETY RELATED   | SAFETY RELATED  | SAFETY RELATED EQUIP. AND SYSTEMS IN FALL AREA   | COMMENT |
|----------|-----------------|--------------------------------------|-----------|-------------|---------------------------------|------------------------|-----------------------------|-------------|---|---|--|---------|
| 4        | Control         | wall 1'-6 3/16" south of col. F.     | E-W       | 25'-4"      | 16'-10" 253'-8" to 270'-6"      | D-105-011<br>D-105-012 | 7 5/8" conc. bl. reinforced | fire separ. | misc. small conduit & HVAC duct   | none  | switch, 1B main fuse cabinets<br><u>Air handling room</u><br>Cable trays<br>Relief damper C<br>Return damper B   |         |
| 5        | Control         | wall 1'-6 3/16" south of col. F.     | E-W       | 12'-1"      | 16'-10" 253'-8" to 270'-6"      | D-105-011<br>D-105-012 | 7 5/8" conc. bl. reinforced | fire separ. | misc small conduit & HVAC duct  | .misc conduit .tray penetrations  | <u>Battery room 1A</u><br>1A main fuse cabinets<br>Battery 1A & rack<br>1A main distribution cabinet<br>Cable tray<br>Battery disconnect switches                                    |         |
| 6        | Control         | wall 1'-6 3/16" south of col. F.     | E-W       | 13'-11 1/2" | 16'-10" 253'-8" to 270'-6"      | D-105-011<br>D-105-012 | 7 5/8" conc. bl. reinforced | fire separ. | misc small conduit & HVAC duct  | .misc conduit .tray support   | <u>Battery room 1B</u><br>Battery disconnect switches<br>Battery 1B & rack<br>1B main fuse cabinets<br>1B inverter<br>Cable tray   |         |
| 1        | Inter.          | wall 1'-8" south of col. F (7 to 7c) | E-W       | 21'-4 3/8"  | Up to 85'-4" 253'-8" to 339'-0" | D-001-22<br>D-101-72   | 12"                         | fire separ. | misc. small conduit, misc. instr. tubing, pipe supports, fire protection supports, piping, conduit & cable tray passing thru wall | S.W. pipe supports, instr. racks, misc. conduit, aux. turbine driven feedwater pump piping supports | <u>Intermediate Bldg.</u><br>(north side)<br>Specific systems or equipment affected in fall area of walls 1-I to 14-I includes:<br>Aux turbine driven feedwater pump and auxiliaries |         |



RG&amp;E Dwg. No. 33013-971

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| WALL<br>NO. | FLOOR<br>AND<br>BLDG. | WALL<br>LOCATION                          | DIRECTION | LENGTH      | HEIGHT                          | A/E<br>REFERENCE<br>DRAWING | WIDTH OF<br>WALL AND<br>MATERIAL | WALL<br>USAGE  | ATTACHMENTS           |                   | SAFETY RELATED<br>EQUIP. AND SYSTEMS<br>IN FALL AREA   | COMMENT |
|-------------|-----------------------|---|-----------|-------------|---------------------------------|-----------------------------|----------------------------------|----------------|-----------------------|-------------------|--|---------|
|             |                       |   |           |             |                                 |                             |                                  |                | NON-SAFETY<br>RELATED | SAFETY<br>RELATED |  |         |
|             |                       |   |           |             |                                 |                             |                                  |                | Instr. racks          |                   | Aux motor driven<br>feedwater pumps<br>Service water<br>piping<br>Cable trays & con-<br>duit to aux feed-<br>water motor driven<br>pumps<br>Piping, instrumen-<br>tation |         |
| 2<br>I      | Inter.<br>253'-8"     | wall 1'-8"<br>south of col. F<br>(6 to 7) | E-W       | 13'-<br>1½" | 24'-8"<br>253'-8"<br>to 278'-4" | D-001-22<br>D-101-72        | 12"                              | fire<br>separ. | "                     | "                 | "  |         |
| 3<br>I      | Inter.<br>253'-8"     | wall 1'-8"<br>south of col. F<br>(5 to 6) | E-W       | 25'-9"      | 24'-8"<br>253'-8"<br>to 278'-4" | D-001-22<br>D-101-72        | 12"                              | fire<br>separ. | "                     | "                 | "  |         |
| 4<br>I      | Inter.<br>253'-8"     | wall 5"<br>north of col. F<br>(~5)        | E-W       | 15'-9"      | 16'-6"<br>253'-8"<br>to 270'-2" | D-001-22<br>D-101-72        | 12"                              | fire<br>separ. | "                     | "                 | "  |         |
| 5<br>I      | Inter.<br>253'-8"     | wall 10'-6"<br>east of col. 4             | N-S       | 2'-1"       | 17'-6"<br>253'-8"<br>to 271'-2" | D-001-22<br>D-101-72        | 12"                              | fire<br>separ. | "                     | "                 | "  |         |



| WALL NO. | FLOOR AND BLDG.   | WALL LOCATION   | DIRECTION | LENGTH | HEIGHT                          | A/E REFERENCE DRAWING | WIDTH OF WALL AND MATERIAL | WALL USAGE     | ATTACHMENTS        |                | SAFETY RELATED EQUIP. AND SYSTEMS IN FALL AREA | COMMENT |
|----------|-------------------|---|-----------|--------|---------------------------------|-----------------------|----------------------------|----------------|--------------------|----------------|--|---------|
|          |                   |   |           |        |                                 |                       |                            |                | NON-SAFETY RELATED | SAFETY RELATED |  |         |
| 6<br>I   | Inter.<br>253'-8" | wall 1'-8"<br>south of col. F                           | E-W       | 15'-9" | 7'-4"<br>~271'-2"<br>to 278'-4" | D-001-22<br>D-101-72  | 12"                        | fire<br>separ. | "                  | "              | "  |         |
| 7<br>I   | Inter.<br>253'-8" | wall 1'-8"<br>south of col. F                           | E-W       | 10'    | 24'-8"<br>253'-8"<br>to 278'-4" | D-001-22<br>D-101-72  | 12"                        | fire<br>separ. | "                  | "              | "  |         |
| 8<br>I   | Inter.<br>253'-8" | wall 1'-8"<br>south of col. F<br>(3d - 4)               | E-W       | 7'-8"  | 24'-8"<br>253'-8"<br>to 278'-4" | D-001-022<br>D-101-72 | 12"                        | fire<br>separ. | "                  | "              | "  |         |
| 9<br>I   | Inter.<br>253'-8" | wall 2"<br>east of 3d<br>(~F - F <sub>2</sub> )         | N-S       | 9'-2"  | 24'-8"<br>253'-8"<br>to 278'-4" | D-001-022<br>D-101-72 | 12"                        | fire<br>separ. | "                  | "              | "  |         |
| 10<br>I  | Inter.<br>253'-8" | wall 2"<br>south of col.<br>F <sub>2</sub> (~3d - 3a)   | E-W       | 9'-6"  | 24'-8"<br>253'-8"<br>to 278'-4" | D-001-022<br>D-101-72 | 12"                        | fire<br>separ. | "                  | "              | "  |         |
| 11<br>I  | Inter.<br>253'-8" | wall @ col.<br>3a (F <sub>2</sub> - F <sub>6</sub> )    | N-S       | 11'-6" | 24'-8"<br>253'-8"<br>to 278'-4" | D-001-022<br>D-101-72 | 12"                        | fire<br>separ. | "                  | "              | "  |         |
| 12<br>I  | Inter.<br>253'-8" | wall 2" north<br>of F <sub>6</sub> (~3 - 3a)            | E-W       | 9'-9½" | 24'-8"<br>253'-8"<br>to 278'-4" | D-001-022<br>D-101-72 | 12"                        | fire<br>separ. | "                  | "              | "  |         |
| 13<br>I  | Inter.<br>253'-8" | wall 1'-0½"<br>west of col. 3<br>(~F <sub>6</sub> to H) | N-S       | 25'-8" | 24'-8"<br>253'-8"<br>to 278'-4" | D-001-022<br>D-101-72 | 12"                        | fire<br>separ. | "                  | "              | "  |         |
| 14<br>I  | Inter.<br>253'-8" | wall @ col. H<br>fall to north<br>side                  | E-W       | ~21'-  | 24'-8"<br>253'-8"<br>to 278'-4" | D-001-022<br>D-101-72 | 12"                        | fire<br>separ. | "                  | "              | "  |         |





| WALL NO. | FLOOR AND BLDG.   | WALL LOCATION                               | DIRECTION    | LENGTH | HEIGHT                          | A/E REFERENCE DRAWING | WIDTH OF WALL AND MATERIAL                        | WALL USAGE                                      | ATTACHMENTS  |                | SAFETY RELATED EQUIP. AND SYSTEMS IN FALL AREA  | COMMENT |
|----------|-------------------|---|--------------|--------|---------------------------------|-----------------------|---|---|--|----------------|---|---------|
|          |                   |   |              |        |                                 |                       |   |   | NON-SAFETY RELATED   | SAFETY RELATED |   |         |
| 14<br>I  | Inter.<br>253'-8" | wall @ col. H<br>fall to south<br>side      | E-W          | ~21'-  | 17'-4"<br>253'-8"<br>to 271'-0" | D-001-22<br>D-101-72  | 12"   | fire<br>separ.<br>Environ-<br>mental<br>Control | misc. conduit<br>misc. instr.<br>tubing<br>pipe supports,<br>fire protec-<br>tion sup-<br>ports, pipe,<br>cable tray,<br>conduit pass-<br>ing thru walls | none           | Intermediate (south<br>side)<br>Hydrogen recombiner<br>panels and piping<br>Cable tray<br>Misc. sampling<br>lines |         |
| 15<br>I  | Inter.<br>253'-8" | wall 1'-0 1/2"<br>west of 3<br>(J - H)      | N-S          | 24'-3" | 17'-4"<br>253'-8"<br>to 271'-0" | D-001-022<br>D-101-72 | 12" concrete<br>block                             | fire<br>separ.<br>Environ-<br>mental<br>Control | "  | "              | "   |         |
| 16<br>I  | Inter.<br>253'-8" | wall 1'-0 1/2"<br>west of col. 3<br>(K - J) | N-S          | 24'-3" | 17'-4"<br>253'-8"<br>to 271'-0" | D-001-022<br>D-101-72 | 12" concrete<br>block                             | fire<br>separ.<br>Environ-<br>mental<br>Control | "  | "              | "   |         |
| 17<br>I  | Inter.<br>253'-8" | wall 1'-0 1/2"<br>west of col. 3<br>(H - K) | N-S          | 24'-3" | 17'-4"<br>253'-8"<br>to 271'-0" | D-001-022<br>D-101-72 | 12" concrete<br>block                             | fire<br>separ.<br>Environ-<br>mental<br>Control | "  | "              | "   |         |
| 18<br>I  | Inter.<br>253'-8" | wall 1'-0 1/2"<br>west of col. 3<br>(N - H) | N-S          | 24'-3" | 17'-4"<br>253'-8"<br>to 271'-0" | D-001-022<br>D-101-72 | 12" concrete<br>block                             | fire<br>separ.<br>Environ-<br>mental<br>Control | "  | "              | "   |         |
| 19<br>I  | Inter.<br>253'-8" | south-west<br>corner el.<br>253'-8"         | N-S<br>& E-W | ~10'   | ~8'<br>253'-8"<br>to 261'-8"    | D-001-022<br>D-101-72 | 8" conc.<br>block                                 | shield  | NA   | none           | none  |         |
| 1<br>A   | Aux.<br>235'-8"   | ~Sa & N <sub>1</sub> @<br>El. 235'-8"       | E-W          | ~20'   | ~8'                             | D-001-13              | 8" solid<br>conc. block<br>Also 4" conc.<br>block | shield  | none   | none           | Spent fuel pool<br>pump   |         |



| WALL NO. | FLOOR AND BLDG.  | WALL LOCATION   | DIRECTION | LENGTH     | HEIGHT                           | A/E REFERENCE DRAWING  | WIDTH OF WALL AND MATERIAL | WALL USAGE    | ATTACHMENTS<br>NON-SAFETY RELATED | SAFETY RELATED | SAFETY RELATED EQUIP. AND SYSTEMS IN FALL AREA                                      | COMMENT                    |
|----------|------------------|---|-----------|------------|----------------------------------|------------------------|----------------------------|---------------|-----------------------------------|----------------|---|----------------------------|
| 2<br>A   | Aux.<br>235'-8"  | ~8a between N and L @ El. 235'-8"                         | E-W       | ~1'-6"     | ~8'                              | D-001-13               | 8" conc. block             | shield        | none                              | none           | Refueling water storage tank<br>Safety injection system<br>Containment spray system |                            |
| 3<br>A   | Aux.<br>235'-8"  | ~N <sub>1</sub> between 9A <sub>1</sub> & 10A remov. wall | N-S       | 6'-6"      | 8'-0"                            | D-001-013              |                            | separ.        | (no survey)                       | None           | Charging pumps  | *Inaccessible at this time |
| 1<br>T   | Turb.<br>253'-6" | wall 1'-5 1/4" east of col. 13 (A - B)                    | N-S       | 27'-6"     | 17'-6"<br>253'-6"<br>to 271'-0"  | D-101-004<br>D-001-11  | 12" conc. block            | fire<br>separ | NA                                | none           | none  |                            |
| 2<br>T   | Turb.<br>253'-6" | wall 1'-6 3/8" north of B (@ col. 13)                     | E-W       | 4'-1"      | 17'-6"<br>253'-6"<br>to 271'-0"  | D-181-004<br>D-001-11  | 12" conc. block            | fire<br>separ | NA                                | none           | none  |                            |
| 3<br>T   | Turb.<br>253'-6" | wall 1'-5 1/4" east of col. 13 (E 13 to F 13)             | N-S       | 20'-3"     | 11'-1"<br>259'-11"<br>to 271'-0" | D-001-011              |                            | separ         | NA                                | none           | none  |                            |
| 4A<br>T  | Turb.<br>253'-6" | wall 1'-8" south of col. F (7 to 7c)                      | E-W       | 21'-4 3/8" | 17'-6"<br>253'-6"<br>to 271'-0"  | D-001-011              | 12"                        | separ<br>fire | NA                                | none           | none  |                            |
| 4B<br>T  | Turb.<br>253'-6" | wall 1'-8" south of col. F (7 - 6)                        | E-W       | 13'-1 1/4" | 17'-6"<br>253'-6"<br>to 271'-0"  | D-001-011              | 12"                        | separ<br>fire | NA                                | none           | none  |                            |
| 4C<br>T  | Turb.<br>253'-6" | wall 1'-8" south of col. F (5 - 6)                        | E-W       | 25'-9"     | 17'-6"<br>253'-6"<br>to 271'-0"  | D-001-011              | 12"                        | separ<br>fire | NA                                | none           | none  |                            |
| 4D<br>T  | Turb.<br>253'-6" | wall 5" north of col. F (~5)                              | E-W       | 13'-10"    | 17'-6"<br>253'-6"<br>to 271'-0"  | D-001-011<br>D-101-072 | 12"                        | separ<br>fire | NA                                | none           | none  |                            |
| 5<br>T   | Turb.<br>253'-6" | wall 10'-6" east of col. 4 (~F)                           | N-S       | 2'-2"      | 17'-6"<br>253'-6"<br>to 271'-0"  | D-001-11               | 12"                        | fire<br>separ | NA                                | none           | none  |                            |



| WALL NO. | FLOOR AND BLDG.  | WALL LOCATION                             | DIRECTION | LENGTH | HEIGHT                          | A/E REFERENCE DRAWING            | WIDTH OF WALL AND MATERIAL | WALL USAGE | ATTACHMENTS        |                | SAFETY RELATED EQUIP. AND SYSTEMS IN FALL AREA | COMMENT |
|----------|------------------|---|-----------|--------|---------------------------------|----------------------------------|----------------------------|------------|--------------------|----------------|--|---------|
|          |                  |   |           |        |                                 |                                  |                            |            | NON-SAFETY RELATED | SAFETY RELATED |  |         |
| 6<br>T   | Turb.<br>253'-6" | wall 1'-8" south of col. F ( 4 )          | E-W       | 9'-10" | 17'-6"<br>253'-6"<br>to 271'-0" | D-001-11                         | 12"                        | fire separ | NA                 | none           | none   |         |
| 7<br>T   | Turb.<br>253'-6" | wall 1'-8" south of col. F ( 4 - 3 )      | E-W       | 25'-9" | 17'-6"<br>253'-6"<br>to 271'-0" | D-001-11                         | 12"                        | fire separ | NA                 | none           | none   |         |
| 8<br>T   | Turb.<br>253'-6" | wall 1' - 0 1/2" west of col. 3 (F - E)   | N-S       | 24'-3" | 17'-6"<br>253'-6"<br>to 271'-0" | D-001-11                         | 12" conc. block            | fire separ | NA                 | none           | none   |         |
| 9<br>T   | Turb.<br>253'-6" | wall 1' - 0 1/2" west of col. 3 ( E - D ) | N-S       | 24'-3" | 17'-6"<br>253'-6"<br>to 271'-0" | D-001-11                         | 12" conc. block            | fire separ | NA                 | none           | none   |         |
| 10<br>T  | Turb.<br>253'-6" | wall 1' - 0 1/2" west of col. 3 (D - C)   | N-S       | 24'-3" | 17'-6"<br>253'-6"<br>to 271'-0" | D-001-11                         | 12" conc. block            | fire separ | NA                 | none           | none   |         |
| 11<br>T  | Turb.<br>253'-6" | wall @ col. C ( 3 - 4 )                   | E-W       | 25'-9" | 17'-6"<br>253'-6"<br>to 271'-0" | D-001-11<br>33013-464F<br>(RG&E) | 8" conc. block             | separ      | NA                 | none           | none   |         |
| 12<br>T  | Turb.<br>253'-6" | wall ~ col. C ( 4 )                       | E-W       | 13'    | 17'-6"<br>253'-6"<br>to 271'-0" | D-001-11<br>33013-464F<br>(RG&E) | 8" conc. block             | separ      | NA                 | none           | none   |         |
| 13<br>T  | Turb.<br>253'-6" | wall 13'-1" east of col. 4                | N-S       | 39'-6" | 17'-6"<br>253'-6"<br>to 271'-0" | D-001-11<br>33013-464F<br>(RG&E) | 8" conc. block             | separ      | NA                 | none           | none   |         |
| 14<br>T  | Turb.<br>253'-6" | wall 11'-10" south of col. A              | E-W       | 10'-7" | 17'-6"<br>253'-6"<br>to 271'-0" | D-001-11<br>33013-464F<br>(RG&E) | 8" conc. block             | separ      | NA                 | none           | none   |         |
| 15<br>T  | Turb.<br>253'-6" | wall @ col. 5                             | N-S       | 13'-6" | 17'-6"<br>253'-6"<br>to 271'-0" | D-001-11<br>33013-464F<br>(RG&E) | 8" conc. block             | separ      | NA                 | none           | none   |         |



| WALL NO. | FLOOR AND BLDG.  | WALL LOCATION                                    | DIRECTION | LENGTH | HEIGHT                          | A/E REFERENCE DRAWING | WIDTH OF WALL AND MATERIAL      | WALL USAGE    | ATTACHMENTS        |                | SAFETY RELATEL EQUIP. AND SYSTEMS IN FALL AREA | Comments                                   |
|----------|------------------|--|-----------|--------|---------------------------------|-----------------------|---------------------------------|---------------|--------------------|----------------|--|--|
|          |                  |  |           |        |                                 |                       |                                 |               | NON-SAFETY RELATED | SAFETY RELATED |  |  |
| 16<br>T  | Turb.<br>253'-6" | wall 1'-<br>0 1/2" west<br>of col. 3<br>(C - B)  | N-S       | 24'-3" | 17'-6"<br>253'-6"<br>to 271'-0" | D-001-11              |                                 | separ<br>fire | NA                 | none           | none   |  |
| 17<br>T  | Turb.<br>253'-6" | wall 1' -<br>0 1/2" west<br>of col. 3<br>(B - A) | N-S       | 26'-6" | 17'-6"<br>253'-6"<br>to 271'-0" | D-001-11              |                                 | separ         | NA                 | none           | none   |  |
| 1<br>H   | CTMT<br>235'-8"  | elevator shaft<br>block walls                    | radial    | ~22'   | 17'-7"<br>235'-8"<br>to 253'-3" | D-106-011             | 8" conc.<br>block<br>reinforced | separ         | (no survey)        | (no survey)    | Cable trays                                    | *CTMT<br>inacces-<br>sible at<br>this time |
| 2<br>H   | CTMT<br>235'-8"  | southwest<br>quadrant of CTMT                    | N-S       | 2'-3"  | 5'-4"<br>235'-8"<br>to 241'-0"  | 04-4780<br>-581-210   | 4" lead<br>brick                | shield        | "                  | "              | (no survey)                                    | "  |
| 3<br>H   | CTMT<br>235'-8"  | northwest<br>quadrant of CTMT                    | radial    | ~27'   | 5'-0"<br>235'-8"<br>to 240'-8"  | 04-4780<br>-581-210   | 8" conc.<br>brick               | shield        | "                  | "              | "  | "  |





| WALL<br>NO. | FLOOR<br>AND<br>BLDG. | WALL<br>LOCATION                                     | DIRECTION | LENGTH         | HEIGHT                          | A/E<br>REFERENCE<br>DRAWING | WIDTH OF<br>WALL AND<br>MATERIAL  | WALL<br>USAGE  | ATTACHMENTS  |                          | SAFETY RELATED<br>EQUIP. AND SYSTEMS<br>IN FALL AREA | COMMENT |
|-------------|-----------------------|--|-----------|----------------|---------------------------------|-----------------------------|-----------------------------------|----------------|--|--------------------------|--|---------|
|             |                       |  |           |                |                                 |                             |                                   |                | NON-SAFETY<br>RELATED  | SAFETY<br>RELATED        |  |         |
| 1<br>C      | Control<br>271'-0"    | wall 1'-<br>10 7/16" south<br>of col. F <sub>1</sub> | E-W       | 24'-1½"        | 18'-6"<br>271'-0"<br>to 289'-6" | D-105-011<br>D-105-012      | 7 5/8"<br>conc. bl.<br>reinforced | fire<br>separ. | misc. small<br>conduit,<br>conduit sup-<br>ports                     | ductwork                 | ductwork   |         |
| 2<br>C      | Control<br>271'-0"    | wall 1'-<br>1 5/16" west<br>of col. 12               | N-S       | 15'-9½"        | 9'-4"<br>271'-0"<br>to 280'-4"  | D-105-012<br>D-105-011      | 7 5/8"<br>conc. bl.<br>reinforced | fire<br>separ. | misc. small<br>conduit   | vertical<br>tray support | Relay racks  |         |
| 3<br>C      | Control<br>271'-0"    | wall 13'-<br>3 3/16" north<br>of col. F <sub>1</sub> | E-W       | 24'-1"         | 9'-4"<br>271'-0"<br>to 280'-4"  | D-105-012<br>D-105-011      | 7 5/8"<br>conc. bl.<br>reinforced | fire<br>separ. | misc. small<br>conduit sup-<br>ports, Fire<br>protection<br>supports | none                     | Cable trays  |         |
| 4<br>C      | Control<br>271'-0"    | wall 1'-<br>6 3/16" south<br>of col. F               | E-W       | 24'-11"        | 18'-0"<br>271'-0"<br>to 289'    | D-105-012<br>D-105-011      | 7 5/8"<br>conc. bl.<br>reinforced | fire<br>separ. | misc. conduit<br>supports  | tray supports            | Cable trays  |         |
| 5<br>C      | Control<br>271'-0"    | wall 1'-<br>6 3/16" south<br>of col. F               | E-W       | 27'-7½"        | 18'-0"<br>271'-0"<br>to 289'    | D-105-012<br>D-105-011      | 7 5/8"<br>conc. bl.<br>reinforced | fire<br>separ. | misc. conduit<br>supports  | tray supports            | Cable trays  |         |
| 6<br>C      | Control<br>271'-0"    | wall 10'-<br>3 11/16" east<br>of col. 11             | N-S       | 14'-<br>3 3/4" | 18'-0"<br>271'-0"<br>to 289'    | D-105-012<br>D-105-011      | 7 5/8"<br>conc. bl.<br>reinforced | fire<br>separ. | misc. conduit<br>supports  | duct supports            | Motor control<br>center                              |         |
| 7<br>C      | Control<br>271'-0"    | wall 4'-<br>7 13/16" east<br>of col. 11              | N-S       | 14'-<br>3 3/4" | 18'-0"<br>271'-0"<br>to 289'    | D-105-012<br>D-105-011      | 3 5/8"                            | separ.         | NA   | none                     | HVAC   |         |



| WALL NO. | FLOOR AND BLDG.   | WALL LOCATION                                    | DIRECTION | LENGTH         | HEIGHT                       | A/E REFERENCE DRAWING | WIDTH OF WALL AND MATERIAL | WALL USAGE     | ATTACHMENTS   |                | SAFETY RELATED EQUIP. AND SYSTEMS IN FALL AREA  | COMMENT |
|----------|-------------------|--|-----------|----------------|------------------------------|-----------------------|----------------------------|----------------|---|----------------|---|---------|
|          |                   |  |           |                |                              |                       |                            |                | NON-SAFETY RELATED  | SAFETY RELATED |   |         |
| 1<br>I   | Inter.<br>278'-4" | wall 1'-8"<br>south of col. F<br>7 to 7C         | E-W       | 21'-<br>4 3/8" |                              | D-001-22<br>D-101-72  | 12" conc.<br>block         | fire<br>separ. | misc. conduit<br>misc. instru.<br>tubing, pipe<br>supports,<br>instr. equip.<br>HVAC thru<br>wall supports,<br>conduit &<br>piping pene-<br>trations<br>atmospheric<br>relief valve<br>maintenance<br>platform,<br>pipe support | none           | <u>Intermediate Bldg.</u><br><u>Elev. - 278'-4"</u><br><u>(fall into north</u><br><u>section)</u><br>Atmospheric Steam<br>relief valves<br>Main steam stop<br>valves<br>A&B feedwater lines<br>Steam supply to<br>turbine driven aux.<br>feedwater pump<br>Aux. feedwater lines<br>Also #12 wall (out-<br>side) mainsteam and<br>feedwater piping |         |
| 2<br>I   | Inter.<br>278'-4" | wall 1'-8"<br>south of col. F<br>(6 - 7)         | E-W       | 13'-<br>1 1/4" | 20'<br>278'-4" to<br>298'-4" | D-001-22<br>D-101-72  | 12" conc.<br>block         | fire<br>separ. | "   | "              | "   |         |
| 3<br>I   | Inter.<br>278'-4" | wall 1'-8"<br>south of col. F<br>(5 - 6)         | E-W       | 25'-9"         | 20'<br>278'-4" to<br>298'-4" | D-001-22<br>D-101-72  | 12" conc.<br>block         | fire<br>separ. | "   | "              | "   |         |
| 4<br>I   | Inter.<br>278'-4" | wall 1'-8"<br>south of col. F<br>(4 - 5)         | E-W       | 25'-9"         | 20'<br>278'-4"<br>to 298'-4" | D-001-22<br>D-101-72  | 12" conc.<br>block         | fire<br>separ. | "   | "              | "   |         |
| 5<br>I   | Inter.<br>278'-4" | wall 1'-8"<br>south of col. F<br>(3d to 4)       | E-W       | 7'-8"          | 20'<br>278'-4"<br>to 298'-4" | D-001-22<br>D-101-72  | 12" conc.<br>block         | fire<br>separ. | "   | "              | "   |         |
| 6<br>I   | Inter.<br>278'-4" | wall 2"<br>east of col. 3d<br>(~F - F)           | N-S       | 9'-2"          | 20'<br>278'-4"<br>to 298'-4" | D-001-22<br>D-101-72  | 12" conc.<br>block         | fire<br>separ. | "   | "              | "   |         |
| 7<br>I   | Inter.<br>278'-4" | wall 2"<br>south of F <sub>2</sub><br>(~3d - 3q) | E-W       | 9'-6"          | 20'<br>278'-4"<br>to 298'-4" | D-001-22<br>D-101-72  | 12" conc.<br>block         | fire<br>separ. | "   | "              | "   |         |



| WALL NO. | FLOOR AND BLDG.   | WALL LOCATION                                      | DIRECTION | LENGTH   | HEIGHT                                  | A/E REFERENCE DRAWING             | WIDTH OF WALL AND MATERIAL | WALL USAGE    | ATTACHMENTS   |                | SAFETY RELATED EQUIP. AND SYSTEMS IN FALL AREA | COMMENT |
|----------|-------------------|--|-----------|----------|---|-----------------------------------|----------------------------|---------------|---|----------------|--|---------|
|          |                   |  |           |          |   |                                   |                            |               | NON-SAFETY RELATED                                  | SAFETY RELATED |  |         |
| 8<br>I   | Inter.<br>278'-4" | wall @ col. 3a (~F <sub>6</sub> - F <sub>2</sub> ) | N-S       | 11'-6"   | 20'<br>278'-4"<br>to 298'-4"            | D-001-22<br>D-101-72              | 12" conc. block            | fire separ.   | "   | "              | "  |         |
| 9<br>I   | Inter.<br>278'-4" | wall 2" north of F <sub>6</sub> (~3a - 3)          | E-W       | 9'-9½"   | 20'<br>278'-4"<br>to 298'-4"            | D-001-22<br>D-101-72<br>D-131-03  | 12" conc. block            | fire separ.   | "   | "              | "  |         |
| 10<br>I  | Inter.<br>278'-4" | wall 1'-0½" west of col. 3 (H - F <sub>6</sub> )   | N-S       | 25'-8"   | 20'<br>278'-4"<br>to 298'-4"            | D-101-72                          | 12" conc. block            | fire separ.   | "   | "              | "  |         |
| 11<br>I  | Inter.<br>278'-4" | wall @ col. H north side                           | E-W       | ~21'     | 20'<br>278'-4"<br>to 298'-4"            | D-101-72                          | 12" conc. block            | separ.        | "   | "              | "  |         |
| 11<br>I  | Inter.<br>278'-4" | wall @ col. H south side                           | E-W       | ~21'     | 22'<br>271'-0"<br>to 293'-0"            | D-101-72                          | 12" conc. block            | separ.        | NA  | none           | none   |         |
| 12<br>I  | Inter.<br>278'-4" | wall 3 3/8" east of 7C                             | N-S       | ~32'-10" | 27'-4"<br>inter. steel otherwise 64'-4" | D-101-72<br>271'-0"<br>to 335'-4" | 12" conc. block            | separ.        | (continued same as 8I)                              |                |  |         |
| 13<br>I  | Inter.<br>271'-0" | nuclear sample room                                | N-S & E-W | ~30'     | 9'-4"<br>271'-0"<br>to 280'-4"          | D-101-72                          | 8" conc. block             | separ. shield | misc. small conduit, misc. instr. tubing, panel box | none           | CTMT pressure instr.                           |         |
| 14<br>I  | 271'-0"<br>Inter. | wall 1'-0½" west of col. #3 (H - K)                | N-S       |          | 22'-0"<br>271'-0" to 293'-0"            | D-101-72                          | 12" conc. block            | fire separ.   | NA  | none           | none   |         |
| 15<br>I  | Inter.<br>271'-0" | wall 1'-0½" west of col. #3 (N - H)                | N-S       | 12'-3"   | 22'-0"<br>271'-0" to 293'-0"            | D-101-72                          | 12" conc. block            | fire separ.   | misc. conduit                                       | none           | Cable tray                                     |         |
| 16<br>I  | Inter.<br>271'-0" | wall 9" north of Col. N (~3 - 4d)                  | E-W       | 54'-2½"  | 14'-8"<br>278'-4" to 293'-0"            | D-101-72                          | 12" conc. block            | fire separ.   | misc. conduit                                       | none           | Cable tray                                     |         |



| WALL NO. | FLOOR AND BLDG.   | WALL LOCATION                              | DIRECTION         | LENGTH         | HEIGHT                          | A/E REFERENCE DRAWING | WIDTH OF WALL AND MATERIAL | WALL USAGE       | ATTACHMENTS        |                | SAFETY RELATED EQUIP. AND SYSTEMS IN FALL AREA | COMMENT |
|----------|-------------------|--|-------------------|----------------|---------------------------------|-----------------------|----------------------------|------------------|--------------------|----------------|--|---------|
|          |                   |  |                   |                |                                 |                       |                            |                  | NON-SAFETY RELATED | SAFETY RELATED |  |         |
| 17<br>I  | Inter.<br>271'-0" | wall 1/2"<br>east of col. 4d               | N-S               | ~8'            | 14'-8"<br>278'-4" to<br>293'-0" | D-101-72              | 12" conc.<br>block         | fire<br>separ.   | NA                 | none           | none   |         |
| 18<br>I  | Inter.<br>271'-0" | wall 1'-0 1/2"<br>west of col. 3           | N-S               | 25'-0"         | 22'<br>271'-0" to<br>293'-0"    | D-101-72              | 12" conc.<br>block         | separ.<br>fire   | misc. conduit      | none           | CTMT pressure<br>instr.                        |         |
| 19<br>I  | Inter.<br>271'-0" | wall 1'-0 1/2"<br>west of col. 3           | N-S               | 25'-0"         | 22'<br>271'-0" to<br>293'-0"    | D-101-72              | 12" conc.<br>block         | separ.           | NA                 | none           | none   |         |
| 3A       | Aux.<br>253'-8"   | Around RWST<br>@ El. 253'-8"               | circular<br>~270° | ~60'           | ~8'                             | D-001-13              | 8" solid<br>conc. block    | shield<br>separ. | none               | none           | RWST, Safety bus 16                            |         |
| 1<br>T   | Turb.<br>271'-0"  | wall 1'-8"<br>south of col.<br>F (11 - 10) | E-W               | 25'-9"         | 18'-6"<br>271'-0"<br>to 289'-6" | D-001-21              | 12" conc.<br>block         | separ            | NA                 | none           | none   |         |
| 2<br>T   | Turb.<br>271'-0"  | wall 1'-8"<br>south of col.<br>F (7c - 7)  | E-W               | 21'-<br>4 3/8" | 18'-6"<br>271'-0"<br>to 289'-6" | D-001-21              | 12" conc.<br>block         | separ<br>fire    | NA                 | none           | none   |         |
| 3<br>T   | Turb.<br>271'-0"  | wall 1'-8"<br>south of col.<br>F (6 - 7)   | E-W               | 13'-<br>1 1/4" | 18'-6"<br>271'-0"<br>to 289'-6" | D-001-21              | 12" conc.<br>block         | fire<br>separ    | NA                 | none           | none   |         |
| 4<br>T   | Turb.<br>271'-0"  | wall 1'-8"<br>south of col.<br>F (5 - 6)   | E-W               | 25'-9"         | 18'-6"<br>271'-0"<br>to 289'-6" | D-001-21              | 12" conc.<br>block         | fire<br>separ    | NA                 | none           | none   |         |
| 5<br>T   | Turb.<br>271'-0"  | wall 1'-8"<br>south of col.<br>F (5 - 4)   | E-W               | 25'-9"         | 18'-6"<br>271'-0"<br>to 289'-6" | D-001-21              | 12" conc.<br>block         | fire<br>separ    | NA                 | none           | none   |         |
| 6<br>T   | Turb.<br>271'-0"  | wall 1'-8"<br>south of col.<br>F (4 - 3)   | E-W               | 25'-9"         | 18'-6"<br>271'-0"<br>to 289'-6" | D-001-21              | 12" conc.<br>block         | fire<br>separ    | NA                 | none           | none   |         |





| WALL NO. | FLOOR AND BLDG.  | WALL LOCATION                                     | DIRECTION | LENGTH  | HEIGHT                          | A/E REFERENCE DRAWING | WIDTH OF WALL AND MATERIAL      | WALL USAGE    | ATTACHMENTS        |                | SAFETY RELATED EQUIP. AND SYSTEMS IN FALL AREA | COMMENTS                                  |
|----------|------------------|---|-----------|---------|---------------------------------|-----------------------|---------------------------------|---------------|--------------------|----------------|--|---|
|          |                  |   |           |         |                                 |                       |                                 |               | NON-SAFETY RELATED | SAFETY RELATED |  |   |
| 7<br>T   | Turb.<br>271'-0" | wall 1'-<br>0 1/2" west<br>of col. 3<br>( F )     | N-S       | 7'      | 18'-6"<br>271'-0"<br>to 289'-6" | D-001-21              | 12" conc.<br>block              | fire<br>separ | NA                 | none           | none   |   |
| 8<br>T   | Turb.<br>271'-0" | wall 1'-<br>0 1/2" west<br>of col. 3<br>( E )     | N-S       | 17'-3"  | 18'-6"<br>271'-0"<br>to 289'-6" | D-001-21              | 12" conc.<br>block              | separ         | NA                 | none           | none   |   |
| 9<br>T   | Turb.<br>271'-0" | wall 1'-<br>0 1/2" west<br>of col. 3<br>( E - D ) | N-S       | 24'-3"  | 18'-6"<br>271'-0"<br>to 289'-6" | D-001-21              | 12" conc.<br>block              | separ         | NA                 | none           | none   |   |
| 10<br>T  | Turb.<br>271'-0" | wall 1'-<br>0 1/2" west<br>of col. 3<br>( D - C ) | N-S       | 24'-3"  | 18'-6"<br>271'-0"<br>to 289'-6" | D-001-21              | 12" conc.<br>block              | separ         | NA                 | none           | none   |   |
| 11<br>T  | Turb.<br>271'-0" | wall 1'-<br>0 1/2" west<br>of col. 3<br>( C - B ) | N-S       | 24'-3"  | 18'-6"<br>271'-0"<br>to 289'-6" | D-001-21              | 12" conc.<br>block              | separ         | NA                 | none           | none   |   |
| 12<br>T  | Turb.<br>271'-0" | wall 1'-<br>0 1/2" west<br>of col. 3<br>( B - A ) | N-S       | 27'-6"  | 18'-6"<br>271'-0"<br>to 289'-6" | D-001-21              | 12" conc.<br>block              | separ         | NA                 | none           | none   |   |
| 13<br>T  | Yard<br>270'-0"  | wall 8'-2"<br>south of G <sub>1</sub><br>( 11 )   | E-W       | 17'-10" | 21'<br>270'-0"<br>to 291'-0"    | D-001-21              | 1'-4" thick<br>block wall       | fire          | NA                 | none           | none   |   |
| 14<br>T  | Yard<br>270'-0"  | wall col.<br>11 ( G <sub>1</sub> )                | N-S       | 29'-10" | 17'-6"<br>270'-0"<br>to 287'-6" | D-001-21              | 1'-4" thick<br>block wall       | fire          | NA                 | none           | none   |   |
| 1<br>M   | CTMT<br>253'-3"  | elevator<br>shaft block<br>walls                  | radial    | ~22'    | 25'-1"<br>253'-3"<br>to 278'-4" | D-106-011             | 8" conc.<br>block<br>reinforced | separ         | (no survey)        | (no survey)    | Cable trays<br>fan cooler<br>unit              | CTMT in-<br>accessible<br>at this<br>time |



| WALL NO. | FLOOR AND BLDG.    | WALL LOCATION   | DIRECTION | LENGTH         | HEIGHT                          | A/E REFERENCE DRAWING  | WIDTH OF WALL AND MATERIAL | WALL USAGE     | ATTACHMENTS   |                | SAFETY RELATED EQUIP. AND SYSTEMS IN FALL AREA  | Comments |
|----------|--------------------|---|-----------|----------------|---------------------------------|------------------------|----------------------------|----------------|---|----------------|---|----------|
|          |                    |   |           |                |                                 |                        |                            |                | NON-SAFETY RELATED  | SAFETY RELATED |   |          |
| 1<br>C   | Control<br>289'-6" | wall 1'-<br>4 9/16" north<br>of col. F <sub>1</sub>   | E-W       | 9'-<br>0 3/4"  | 11'-6"<br>289'-6"<br>to 301'    | D-105-012<br>D-105-011 | 3 5/8"                     | separ.         | NA  | none           | none  |          |
| 2<br>C   | Control<br>289'-6" | wall 3 15/16" -<br>north of col. F <sub>1</sub>       | E-W       | 9'-<br>0 3/4"  | 11'-6"<br>289'-6"<br>to 301'    | D-105-012<br>D-105-011 | 3 5/8"                     | separ.         | NA  | none           | none  |          |
| 3<br>C   | Control<br>289'-6" | wall 5'-<br>3 1/16" south<br>of col. F <sub>1</sub>   | E-W       | 9'-<br>0 3/4"  | 11'-6"<br>289'-6"<br>to 301'-0" | D-105-011<br>D-105-012 | 5 5/8"                     | separ.         | none  | none           | HVAC  |          |
| 4<br>C   | Control<br>289'-6" | wall 10'-<br>1 9/16" east<br>of col. 11               | N-S       | 18'-<br>2 3/8" | 11'-6"<br>289'-6"<br>to 301'-0" | D-105-011<br>D-105-012 | 5 5/8"                     | separ.         | misc. conduit   | none           | Reactor trip<br>system, main con-<br>trol board   |          |
| 5<br>C   | Control<br>289'-6" | wall 4'-<br>8 1/16" east<br>of col. 11                | N-S       | 11'-<br>0 1/8" | 11'-6"<br>289'-6"<br>to 301'-0" | D-105-011<br>D-105-012 | 3 5/8"                     | separ.         | none  | none           | A.C.<br>duct chase  |          |
| 1<br>I   | Inter.<br>298'-4"  | wall 1'-8"<br>south of col.<br>F (3d - 7c)            | E-W       | 93'-11"        | 17'-0"<br>298'-4" to<br>315'-4" | D-012-02               | 12" conc.<br>block         | fire<br>separ. | misc. conduit, none<br>misc. instru.,<br>pipe supports<br>(thru wall)<br>HVAC supports<br>(thru wall) | none           | Fall into Inter-<br>mediate Bldg. Elev.<br>298'-4"<br>Atmospheric relief<br>valve piping<br>Feedwater piping<br>Main steam relief<br>valve piping<br>Main steam piping<br>CTHT penetrations |          |
| 2<br>I   | Inter.<br>298'-4"  | wall 2"<br>east of 3d<br>(~F <sub>2</sub> - F)        | N-S       | 9'-2"          | 17'-0"<br>298'-4" to<br>315'-4" | D-012-02               | 12" conc.<br>block         | fire<br>separ. | "   | none           | "   |          |
| 3<br>I   | Inter.<br>298'-4"  | wall 2"<br>south of F <sub>2</sub><br>(3a - 3d)       | E-W       | 9'-6"          | 17'-0"<br>298'-4" to<br>315'-4" | D-012-02               | 12" conc.<br>block         | fire<br>separ. | "   | none           | "   |          |
| 4<br>I   | Inter.<br>298'-4"  | wall @ col.<br>3a (~F <sub>6</sub> - F <sub>2</sub> ) | N-S       | 11'-6"         | 17'-0"<br>298'-4" to<br>315'-4" | D-012-02               | 12" conc.<br>block         | fire<br>separ. | "   | none           | "   |          |



| WALL NO. | FLOOR AND BLDG.   | WALL LOCATION  | DIRECTION | LENGTH  | HEIGHT                          | A/E REFERENCE DRAWING | WIDTH OF WALL AND MATERIAL | WALL USAGE  | ATTACHMENTS        |                | SAFETY RELATED EQUIP. AND SYSTEMS IN FALL AREA | COMMENTS |
|----------|-------------------|--|-----------|---------|---------------------------------|-----------------------|----------------------------|-------------|--------------------|----------------|--|----------|
|          |                   |  |           |         |                                 |                       |                            |             | NON-SAFETY RELATED | SAFETY RELATED |  |          |
| 5<br>I   | Inter.<br>298'-4" | wall 2" north of F <sub>6</sub><br>(~3 - 3)          | E-W       | 9'-9½"  | 17'-0"<br>298'-4" to<br>315'-4" | D-012-02              | 12" conc. block            | fire separ. | "                  | none           | "  |          |
| 6<br>I   | Inter.<br>298'-4" | wall 1'-0½" west of col. 3<br>(~H - F <sub>6</sub> ) | N-S       | 25'-8"  | 17'-0"<br>298'-4" to<br>315'-4" | D-012-02              | 12" conc. block            | separ.      | "                  | none           | "  |          |
| 7<br>I   | Inter.<br>298'-4" | wall @ col. H north side                             | E-W       | ~21'    | 17'-0"<br>298'-4" to<br>315'-4" | D-012-02              | 12" conc. block            | separ.      | "                  | none           | "  |          |
| 7<br>I   | Inter.<br>293'-0" | wall @ col. H south side                             | E-W       | ~21'    | 24'-6"<br>293'-0" to<br>317'-6" | D-012-02              | 12" conc. block            | separ.      | NA                 | none           | none   |          |
| 8<br>I   | 298'-4"           | wall @ col. 7b                                       | N-S       | ~16'    | 17'-0"<br>298'-4" to<br>315'-4" | D-012-02              | 8" conc. block             | separ.      | "                  | none           | same as 6-I                                    |          |
| 9<br>I   | Inter.<br>293'-0" | wall 1'-0½" west of col. 3<br>(J - H)                | N-S       | 24'-3"  | 28'-8"<br>293'-0" to<br>321'-8" | D-012-02              | 12" conc. block            | separ.      | NA                 | none           | none   |          |
| 10<br>I  | Inter.<br>293'-0" | wall 1'-0½" west of col. 3<br>(K - J)                | N-S       | 24'-3"  | 28'-8"<br>293'-0" to<br>321'-8" | D-012-02              | 12" conc. block            | separ.      | NA                 | none           | none   |          |
| 11<br>I  | Inter.<br>293'-0" | wall 1'-0½" west of col. 3<br>(H - K)                | N-S       | 24'-3"  | 28'-8"<br>293'-0" to<br>321'-8" | D-012-02              | 12" conc. block            | separ.      | NA                 | none           | none   |          |
| 12<br>I  | Inter.<br>293'-0" | wall 1'-0½" west of col. 3<br>(N - H)                | N-S       | 12'-3"  | 28'-8"<br>293'-0" to<br>321'-8" | D-012-02              | 12" conc. block            | separ.      | NA                 | none           | none   |          |
| 13<br>I  | Inter.<br>293'-0" | wall 9" north of col. N                              | E-W       | 54'-2½" | 28'-8"<br>293'-0" to<br>321'-8" | D-012-02              | 12" conc. block            | fire separ. | NA                 | none           | none   |          |



| WALL NO.  | FLOOR AND BLDG.   | WALL LOCATION  | DIRECTION | LENGTH  | HEIGHT                          | A/E REFERENCE DRAWING | WIDTH OF WALL AND MATERIAL | WALL USAGE     | ATTACHMENTS   |                | SAFETY RELATED EQUIP. AND SYSTEMS IN FALL AREA   | COMMENT |
|-----------|-------------------|--|-----------|---------|---------------------------------|-----------------------|----------------------------|----------------|---|----------------|--|---------|
|           |                   |  |           |         |                                 |                       |                            |                | NON-SAFETY RELATED  | SAFETY RELATED |  |         |
| 14<br>I   | Inter.<br>293'-0" | wall ½" east<br>of 4d                                  | N-S       | ~8'     | 28'-8"<br>293'-0" to<br>321'-8" | D-012-02              | 12" conc.<br>block         | fire<br>separ. | NA  | none           | none   |         |
| 1<br>I(P) | Inter.<br>315'-4" | wall @ col. H<br>north side                            | E-W       | ~21'    | 20'<br>315'-4" to<br>335'-4"    | D-012-02              | 12" conc.<br>block         | separ.         | misc. conduit   | none           | none   |         |
| 2<br>I(P) | Inter.<br>315'-4" | wall 1'-0½"<br>west of col. 3<br>(H - F <sub>6</sub> ) | N-S       | 25'-8"  | 23'-8"<br>315'-4" to<br>339'-0" | D-012-02<br>D-101-112 | 12" conc.<br>block         | separ.         | "   | none           | "  |         |
| 3<br>I(P) | Inter.<br>315'-4" | wall 2" north<br>of F <sub>6</sub> (3 - 3a)            | E-W       | 9'-9½"  | 54'-4"<br>315'-4" to<br>369'-8" | D-012-02<br>D-101-112 | 12" conc.<br>block         | separ.<br>fire | "   | none           | "  |         |
| 4<br>I(P) | Inter.<br>315'-4" | wall 2" north<br>of F <sub>6</sub> (3a - 3d)           | E-W       | 9'-6"   | ~9'-4"<br>315'-4" to<br>324'-8" | D-012-02              | 12" conc.<br>block         | separ.<br>fire | "   | none           | "  |         |
| 5<br>I(P) | Inter.<br>315'-4" | wall 2" east<br>of col. 3d<br>(~F - F <sub>6</sub> )   | N-S       | 20'-10" | ~9'-4"<br>315'-4" to<br>324'-8" | D-012-02              | 12" conc.<br>block         | separ.<br>fire | "   | none           | "  |         |
| 6<br>I(P) | Inter.<br>315'-4" | wall @ col. 3a   | N-S       | 20'-10" | 54'-4"<br>324'-8" to<br>369'-8" | D-012-02<br>D-101-112 | 12" conc.<br>block         | fire<br>separ. | NA  | none           | none   |         |
| 7<br>I(P) | Inter.<br>315'-4" | wall 1'-8"<br>south of col.<br>F (3a - 3d)             | E-W       | 9'-6"   | 14'-4"<br>324'-8" to<br>339'-0" | D-012-02<br>D-101-112 | 12" conc.<br>block         | separ.         | NA  | none           | none   |         |
| 8<br>I(P) | Inter.<br>315'-4" | wall 1'-8"<br>south of col. F                          | E-W       | ~85'    | 23'-8"<br>315'-4" to<br>339'-0" | D-012-02              | 12" conc.<br>block         | fire<br>separ. | misc. small<br>conduit<br>HVAC thru wall<br>supports, fire<br>hose support,<br>pipe support<br>Main steam<br>relief valve | none           | Intermediate 315'-4",<br>fall into inter<br>mediate bldg.<br>Atmospheric relief<br>valve piping<br>Main steam relief<br>valve piping |         |





| WALL NO.   | FLOOR AND BLDG.   | WALL LOCATION  | DIRECTION    | LENGTH         | HEIGHT                          | A/E REFERENCE DRAWING | WIDTH OF WALL AND MATERIAL | WALL USAGE       | ATTACHMENTS   |                | SAFETY RELATED EQUIP. AND SYSTEMS IN FALL AREA | COMMENTS |
|------------|-------------------|--|--------------|----------------|---------------------------------|-----------------------|----------------------------|------------------|---|----------------|--|----------|
|            |                   |  |              |                |                                 |                       |                            |                  | NON-SAFETY RELATED                                    | SAFETY RELATED |  |          |
|            |                   |  |              |                |                                 |                       |                            |                  | piping shield (thru bolts) to turbine bldg.           |                |  |          |
| 9<br>I(P)  | Inter.<br>315'-4" | wall @ col. 7b   | N-S          | 9'-2"          | 20'<br>315'-4" to<br>335'-4"    | D-012-02<br>D-101-071 | 4" conc.<br>block          | separ.           | "   | none           | "  |          |
| 10<br>I(P) | Inter.<br>315'-4" | wall @ col. 7b   | N-S          | ~12"           | 20'<br>315'-4" to<br>335'-4"    | D-012-02<br>D-101-071 | 4" conc.<br>block          | separ.           | NA  | none           | none   |          |
| 11<br>I(P) | Inter.<br>315'-4" | wall 1'-8"<br>south of col. F  | E-W          | 7'-<br>11 5/8" | 23'-8"<br>315'-4" to<br>339'-0" | D-012-02<br>D-101-071 | 12" conc.<br>block         | separ.<br>fire   | none  | none           | H.S. piping                                    |          |
| 12<br>I(P) | Inter.<br>315'-4" | wall 3 3/8"<br>east of col. 7c   | N-S          | 9'             | 23'-8"<br>315'-4" to<br>339'-0" | D-012-02<br>D-101-071 | 12" conc.<br>block         | separ.           | misc. conduit   | none           | H.S. piping                                    |          |
| 13<br>I(P) | Inter.<br>315'-4" | wall 3 3/8"<br>east of col. 7c   | N-S          | ~24'           | 23'-8"<br>315'-4" to<br>339'-0" | D-012-02<br>D-101-071 | 12" conc.<br>block         | separ.           | NA  | none           | none   |          |
| 4I<br>A    | Aux.<br>271'-0"   | Around Boric<br>Acid Distillate<br>Evaporator                                      | N-S<br>& E-W | ~40'           | ~8'                             | D-101-072             | 8" solid<br>conc. block    | shield           | instr. rack<br>instr. tubing<br>small hose<br>support | none           | Service water.                                 |          |
| 4J<br>A    | Aux.<br>271'-0"   | Around RWST<br>@ El. 271'-0"   | circular     | ~80'           | ~8'                             | D-101-072             | 8" conc.<br>block          | shield<br>separ. | none  | none           | RWST   |          |
| 1<br>A     | Aux.<br>271'-0"   | wall 1'-3 1/2"<br>north of col. L<br>(~8A to 9A)                                   | E-W          | ~35'           | 10'<br>271'-281                 | D-101-072<br>D-102-57 | 8" conc.<br>block          | separ.           | misc. small<br>conduit misc.<br>instr. tubing         | none           | Switchgear bus 14                              |          |
| 2<br>A     | Aux.<br>271'-0"   | wall 1'-5 1/2"<br>north of col. L<br>(1'-7 1/2" west of<br>8A to 6'-6" W of<br>8A) | E-W          | 4'-10 1/2"     | ~15'                            | D-101-072<br>D-102-57 | 4" conc.<br>block          | separ.           | NA  | none           | none   |          |



| WALL NO. | FLOOR AND BLDG. | WALL LOCATION  | DIRECTION | LENGTH | HEIGHT           | A/E REFERENCE DRAWING | WIDTH OF WALL AND MATERIAL | WALL USAGE | ATTACHMENTS<br>NON-SAFETY RELATED      | SAFETY RELATED | SAFETY RELATED EQUIP. AND SYSTEMS IN FALL AREA       | COMMENT |
|----------|-----------------|--|-----------|--------|------------------|-----------------------|----------------------------|------------|--|----------------|--|---------|
| 3<br>A   | Aux.<br>271'-0" | wall 6'-2"<br>west of 8A<br>(1'-3½" N of L<br>to 4' N of L                           | N-S       | 2'-8½" | 13'-8½"          | D-101-072<br>D-102-57 | 8" conc.<br>block          | separ.     | NA                                     | none           | none   |         |
| 4<br>A   | 271'-0"<br>Aux. | wall 1'-5½"<br>north of col. L.<br>(~9A - 10A+)                                      | E-W       | ~30'   | 10'<br>271'-281' | D-101-72<br>D-102-57  | 4" conc.<br>block          | separ.     | NA                                     | none           | none   |         |
| 5<br>A   | Aux.<br>271'-0" | wall 1'-3½"<br>north of col. L.<br>(~10A - 11A)                                      | E-W       | ~7'    | 10'<br>271'-281' | D-101-72<br>D-102-57  | 8" conc.<br>block          | separ.     | NA                                     | none           | none   |         |
| 6<br>A   | Aux.<br>271'-0" | wall 1'-3½"<br>east of 11A<br>(1'-7½" N of)<br>of col. L to<br>1'-0" S of col.<br>N) | N-S       | 38'    | 10'<br>271'-281' | D-101-72<br>D-102-57  | 8" conc.<br>block          | separ.     | NA                                     | none           | none   |         |
| 7<br>A   | Aux.<br>271'-0" | wall 1'-5½"<br>east of 11A<br>(4'-8½" N of N <sub>1</sub><br>to 1'-7½" S of<br>Q)    | N-S       | 24'    | 10'<br>271'-281' | D-101-72<br>D-102-57  | 4" conc.<br>block          | separ.     | NA                                     | none           | none   |         |
| 8<br>A   | Aux.<br>271'-0" | wall 1'-1½"<br>south of col.<br>Q (~10A to 9A)                                       | E-W       | ~24'   | 10'<br>271'-281' | D-101-72<br>D-102-54  | 4" conc.<br>block          | separ.     | misc. conduit<br>pipe penetra-<br>tion | none           | Service water  |         |
| 9<br>A   | Aux.<br>271'-0" | wall 1'-1½"<br>south of col.<br>Q (~9A to 8A)  | E-W       | 25'-8" | 10'<br>271'-281' | D-101-72<br>D-102-54  | 4" conc.<br>block          | separ.     | conduit<br>boxes                       | none           | Service water  |         |
| 10<br>A  | Aux.<br>271'-0" | wall 1'-1½"<br>south of col.<br>Q (~8A to 7A)  | E-W       | 32'-4" | 10'<br>271'-281' | D-101-72<br>D-102-54  | 4" conc.<br>block          | separ.     | misc. conduit, none<br>misc. instr.    | none           | Compon. cooling<br>heat exchanger &<br>service water |         |



| WALL NO. | FLOOR AND BLDG.  | WALL LOCATION                                       | DIRECTION | LENGTH     | HEIGHT                           | A/E REFERENCE DRAWING            | WIDTH OF WALL AND MATERIAL  | WALL USAGE    | ATTACHMENTS  |                        | SAFETY RELATED EQUIP. AND SYSTEMS IN FALL AREA | COMMENT |
|----------|------------------|---|-----------|------------|----------------------------------|----------------------------------|-----------------------------|---------------|--|------------------------|--|---------|
|          |                  |   |           |            |                                  |                                  |                             |               | NON-SAFETY RELATED   | SAFETY RELATED         |  |         |
| 11<br>A  | Aux.<br>271'-0"  | wall 1'-<br>1 1/2" south<br>of col. Q<br>(7A to 6A) | E-W       | 24'-10"    | 10'<br>271'<br>281'              | D-101-72<br>D-102-54             | 4" conc.<br>block           | separ         | NA   | none                   | none   |         |
| 12<br>A  | Aux.<br>271'-0"  | wall 1'-<br>1 1/2" south<br>of col. Q<br>(6A to 5A) | E-W       | 26'-10"    | 10'<br>271'<br>281'              | D-101-72<br>D-102-54             | 4" conc.<br>block           | separ         | NA   | none                   | none   |         |
| 13<br>A  | Aux.<br>271'-0"  | wall 1 -<br>1 1/2" south<br>of col. Q<br>(5A to 4A) | E-W       | 26'-10"    | 10'<br>271'<br>281'              | D-101-72<br>D-102-54             | 4" conc.<br>block           | separ         | NA   | none                   | none   |         |
| 14<br>A  | Aux.<br>271'-0"  | wall 1' -<br>1 1/2" south<br>of col. Q              | E-W       | 5'         | 10'<br>271'<br>281'              | D-101-72<br>D-102-54             | 4" conc.<br>block           | separ         | NA   | none                   | none   |         |
| 15<br>A  | Aux.<br>278'-4"  | wall 1' -<br>1 1/2" south<br>of col. Q              | E-W       | 21'-10"    | 11'-4"<br>278'-4"<br>289'-8"     | D-101-72<br>D-102-54             | 4" conc.<br>block           | fire<br>separ | NA   | none                   | none   |         |
| 16<br>A  | Aux.<br>278'-4"  | wall 6"<br>west of col.<br>3                        | N-S       | 47'-3"     | 11'-4"<br>278'-4"<br>289'-8"     | D-101-72<br>D-131-03<br>D-102-55 | 12" solid<br>conc.<br>block | fire<br>separ | misc. conduit<br>pipe supports<br>(thru wall)<br>pipe supports<br>(not thru<br>wall) | none                   | Spent fuel pool                                |         |
| 17<br>A  | Aux.<br>278'-4"  | wall 9"<br>north of<br>col. N                       | E-W       | 53'-1 1/2" | 57'-0"<br>278'-4"<br>to 335'-4"  | D-101-72                         | 12" conc.<br>block          | fire<br>separ | cable tray<br>supports<br>piping & HVAC<br>penetrations                              | cable tray<br>supports | Spent fuel pool &<br>cable tray                |         |
| 18<br>A  | Aux.<br>278'-4"  | wall 1/2"<br>east of col.<br>4d                     | N-S       | ~8'        | 57'-0"<br>278'-4"<br>to 335'-4"  | D-101-72                         | 12" conc.<br>block          | fire<br>separ | NA   | none                   | none   |         |
| 1<br>T   | Turb.<br>289'-6" | wall 1'-8"<br>south of col.<br>F (10 - 11)          | E-W       | 25'-9"     | 14'-10"<br>289'-6"<br>to 304'-4" | D-101-71                         | 12" conc.<br>block          |               | NA   | none                   | none   |         |



| WALL<br>NO. | FLOOR<br>AND<br>BLDG. | WALL<br>LOCATION                 | DIRECTION | LENGTH  | HEIGHT                          | A/E<br>REFERENCE<br>DRAWING | WIDTH OF<br>WALL AND<br>MATERIAL | WALL<br>USAGE | ATTACHMENTS           |                   | SAFETY RELATED<br>EQUIP. AND SYSTEMS<br>IN FALL AREA | COMMENT                                   |
|-------------|-----------------------|----------------------------------|-----------|---------|---------------------------------|-----------------------------|----------------------------------|---------------|-----------------------|-------------------|--|---|
|             |                       |                                  |           |         |                                 |                             |                                  |               | NON-SAFETY<br>RELATED | SAFETY<br>RELATED |  |   |
| 2<br>T      | Turb.<br>289'-6"      | wall 3<br>~ col. 3               | N-S       | 124'-6" | 2'-6"<br>289'-6"<br>to 292'-0"  | D-101-71                    | 12" conc.<br>block               | parapet       | NA                    | none              | none   |   |
| 3<br>T      | Turb.<br>289'-6"      | wall 1'-8"<br>south of<br>col. F | E-W       | 111'-6" | up to<br>80'-2"                 | D-101-71                    | 10" conc.<br>block               | separ         | NA                    | none              | none   |   |
| 1<br>H      | CTMT<br>278'-4"       | elevator<br>shaft block          |           |         | 16'-9"<br>278'-4"<br>to 295'-1" | D-106-011                   | 8" conc.<br>block<br>reinforced  | separ         | (no survey)           | (no survey)       | Instr.   | CTMT in-<br>accessible<br>at this<br>time |
| 2<br>H      | CTMT<br>278'-4"       | northeast<br>quadrant of CTMT    |           | ~11'    | 5'-0"<br>278'-4"<br>to 283'-4"  | 04-4780<br>-581-214         | 1'-4" conc.<br>block             | shield        | "                     | "                 | (no survey)  | "   |

